

IN THE SPECIFICATION:

Please replace the Sequence Listing with the accompanying paper copy of the Substitute Sequence Listing, page numbers 1-16.

REMARKS

Applicants request entry of this amendment in adherence with 37 C.F.R. §§ 1.821 to 1.825. This amendment corrects typographical errors in sequences in the substitute Sequence Listing filed. This amendment also clarifies changes made in the Substitute Sequence Listing submitted on December 4, 2002.

Specifically, this amendment corrects errors in SEQ ID NOS: 4, 6, 7, and 12.

- In SEQ ID NO:4, an Asp to Ala change at amino acid position 88 was inadvertently made in the substitute sequence listing filed on December 4, 2002. The instant amendment corrects this error and reverts the sequence back to "Asp", as was present in the original sequence listing of July 31, 2000. Support for this amendment can also be found in Figure 4B of the instant application.
- In SEQ ID NO:6, a Val, Glu to Glu, Val change at amino acid positions 214, 215 was inadvertently made in the substitute sequence listing filed on December 4, 2002. The instant amendment corrects this error and reverts the sequence back to "Val, Glu", as was present in the original sequence listing of July 31, 2000. Support for this amendment can also be found in Figure 4D of the instant application.
- In SEQ ID NO:6, a Lys to Ala change at amino acid position 268 was inadvertently made in the substitute sequence listing filed on December 4, 2002. The instant amendment corrects this error and reverts the sequence back to "Lys", as was present in the original sequence listing of July 31, 2000. Support for this amendment can also be found in Figure 4D of the instant application.

NO
ALA-ASP

GLU -
VAL

NO
ALA
FIG
4D

- In SEQ ID NO:7, a Thr, Phe to Phe, Thr change at amino acid positions 168, 169 was inadvertently made in the substitute sequence listing filed on December 4, 2002. The instant amendment corrects this error and reverts the sequence back to "Thr, Phe", as was present in the original sequence listing of July 31, 2000. Support for this amendment can also be found in Figure 4E of the instant application.

NO
PHE
THR

- In SEQ ID NO:12, a Lys, Arg to Arg, Lys change at amino acid positions 106, 107 was inadvertently made in the substitute sequence listing filed on December 4, 2002. The instant amendment corrects this error and reverts the sequence back to "Lys, Arg", as was present in the original sequence listing of July 31, 2000. Support for this amendment can also be found in Figure 4B of the instant application.

NO
ARG-245

529

NO

In addition, Applicant wishes to clarify changes made in the Substitute Sequence Listing filed on December 4, 2002 regarding SEQ ID NOS: 2, 8 and 9.

- In regards to SEQ ID NO:2, the substitute sequence listing introduced an Ala, Thr to Gly, Asn change at amino acid positions 84 and 85. This amendment sought to correct typographical errors introduced in the originally filed Sequence Listing of July 31, 2000 from the sequence present in Figure 4A. The sequence in Figure 4A reads as "Gly, Asn" at amino acid positions 84 and 85. Therefore, the amendment did not contain new matter.
- In regards to SEQ ID NO:8, the substitute sequence listing introduced an Asp to Ala change at amino acid position 83. This amendment sought to correct typographical errors introduced in the originally filed Sequence Listing of July 31, 2000 from the sequence present in Figure 5A. The sequence in Figure 5A reads as "Ala" at amino acid position 83. Therefore, the amendment did not contain new matter.
- In regards to SEQ ID NO:9, the substitute sequence listing introduced an Asp to Ala change at amino acid position 83. This amendment sought to

OK

OK

OK

correct typographical errors introduced in the originally filed Sequence Listing of July 31, 2000 from the sequence present in Figure 5A. The sequence in Figure 5A reads as "Ala" at amino acid position 83.

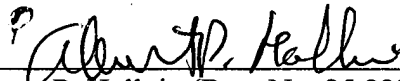
Therefore, the amendment did not contain new matter.

However, because a sequence listing error was found in two claimed sequences, SEQ ID NOS: 8 and 9, a new search by the Examiner is required to verify the patentability of the sequences.

This amendment is accompanied by a floppy disk containing the above named sequences, SEQ ID NOS: 1-14, in computer readable form, and a paper copy of the sequence information which has been printed from the floppy disk. The information contained in the computer readable disk was prepared through the use of the software program "PatentIn" and is identical to that of the paper copy.

Applicants respectfully request the Examiner to enter the amendments accordingly. If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 650-463-8109.

Respectfully submitted,



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